

Summary of Requirements for 40 CFR Part 63 Subpart JJJJJ:

NESHAP for Area Sources: Industrial, Commercial, and Institutional Boilers

		Task 1 Submit Initial Notifications		Task 2 Comply with Work Practice Standards (§63.11201,		
Row	Subcategory	Submit Initial Notification of Applicability ¹	Submit Initial Notification of Compliance Status ²	Minimize Startup/Shutdown per Mfg. Procedures	Conduct Performance Tune-up ^{2,3}	Conduct Energy Assessment
ALL Gas-Fired Boilers (ALL sizes, new or existing)						
1	Gas	No	No	No	No	No
Existing - Small (< 10MMBtu/hr)						
2	All fuel types other than gas (biomass, coal, oil)	Yes, submit by 9/17/2011. §63.11225(a)(2)	Yes, submit by 7/19/2012. 63.11225(a)(4)	No	Yes, Biennial. First tune-up completed by 3/21/2012. Subsequent tune-ups should be completed no later than 25 months after the previous tune-up. §63.11223(b)	No

Summary of Requirements for 40 CFR Part 63 Subpart JJJJJ:

NESHAP for Area Sources: Industrial, Commercial, and Institutional Boilers

		Task 3 Meet Emission Limits		Task 4	Task 5
Row	For this pollutant	Initial Compliance	Continuous Compliance	Record	Submit Other Notifications and Reports
ALL Gas-Fired Boilers (ALL sizes, new or existing)					
1		None		None	None
Existing - Small (< 10MMBtu/hr)					
2		None	Biennial compliance certification report (§63.11225(b)). Prepare first report by 3/1/2015. Subsequent reports prepared by March 1 of every other year.		Notification to combust solid waste (§63.11225(f)). Submit 30 days prior to combusting solid waste.
			Records of dates and procedures for each boiler tune up (§63.11225(c)(2)(i) and §63.11223(b)(6))		
			Records of fuel use and non-waste determinations (§63.11225(c)(2)(ii)). You should begin keeping fuel records on 5/20/2011.		Notification of fuel or subcategory switching (§63.11225(g)). Submit 30 days prior to switching fuels.
			Records of all submitted notifications (§63.11225(c)(1))		

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Row	Subcategory	Submit Initial Notification of Applicability ¹	Submit Initial Notification of Compliance Status ²	Minimize Startup/Shutdown per Mfg. Procedures	Conduct Performance Tune-up ^{2,3}	Conduct Energy Assessment
Existing - Large (≥ 10MMBtu/hr)						
3	Biomass	Yes, submit by 9/17/2011. §63.11225(a)(2)	Yes, submit by 7/19/2012 for tune-up. Re-submit by 7/19/2014 for energy assessment. 63.11225(a)(4)	No	Yes, Biennial. First tune-up completed by 3/21/2012. Subsequent tune-ups should be completed no later than 25 months after the previous tune-up. §63.11223(b)	Yes, by 3/21/2014. (Table 2)
4	Oil	Yes, submit by 9/17/2011. §63.11225(a)(2)	Yes, submit by 7/19/2012 for tune-up. Re-submit by 7/19/2014 for energy assessment. 63.11225(a)(4)	No	Yes, Biennial. First tune-up completed by 3/21/2012. Subsequent tune-ups should be completed no later than 25 months after the previous tune-up. §63.11223(b)	Yes, by 3/21/2014. (Table 2)

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Row	Task 3 Meet Emission Limits			Task 4	Task 5
	For this pollutant	Initial Compliance	Continuous Compliance	Record	Submit Other Notifications and Reports
Existing - Large ($\geq 10\text{MMBtu/hr}$)					
3	None			Biennial compliance certification report (§63.11225(b)). Prepare first report by 3/1/2015. Subsequent reports prepared by March 1 of every other year.	Notification to combust solid waste (§63.11225(f)). Submit 30 days prior to combusting solid waste.
				Records of dates and procedures for each boiler tune up (§63.11225(c)(2)(i) and §63.11223(b)(6)).	
				Records of fuel use and non-waste determinations (§63.11225(c)(2)(ii)). You should begin keeping fuel records on 5/20/2011.	Notification of fuel or subcategory switching (§63.11225(g)). Submit 30 days prior to switching fuels.
				Records of all submitted notifications (§63.11225(c)(1))	
				Energy Assessment Report (§63.11214(c)) should be completed by 3/21/2014.	
4	None			Biennial compliance certification report (§63.11225(b)). Prepare first report by 3/1/2015. Subsequent reports prepared by March 1 of every other year.	Notification to combust solid waste (§63.11225(f)). Submit 30 days prior to combusting solid waste.
				Records of dates and procedures for each boiler tune up (§63.11225(c)(2)(i) and §63.11223(b)(6)).	
				Records of fuel use and non-waste determinations (§63.11225(c)(2)(ii)). You should begin keeping fuel records on 5/20/2011.	Notification of fuel or subcategory switching (§63.11225(g)). Submit 30 days prior to switching fuels.
				Records of all submitted notifications (§63.11225(c)(1))	
				Energy Assessment Report (§63.11214(c)) should be completed by 3/21/2014.	

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Existing - Large (≥ 10MMBtu/hr)						
5	Coal	Yes, submit by 9/17/2011. §63.11225(a)(2)	Yes . Submit within 60 days of conducting performance test for mercury and CO, or no later than 7/19/2014, whichever is earlier. Submit by 7/19/2014 for energy assessment. (§63.11225(a)(4)). Include a statement on Startup and Shutdown according to manufacturer specifications (§63.11223(c))	Yes, beginning 3/21/2014. §63.11223(c) §63.11214(d)	No	Yes, by 3/21/2014. (Table 2)

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	For this pollutant	Initial Compliance	Continuous Compliance	Record	Submit Other Notifications and Reports
Existing - Large ($\geq 10\text{MMBtu/hr}$)					
5	Hg	Conduct performance (stack) test (§63.11212, Table 4, and 63.7(c), (d), (f)) by 3/21/2014.	Triennial stack test (§63.11220(a) and §63.11212), no more than 37 months after previous test.	Records of fuel use and non-waste determinations (§63.11225(c)(2)(ii)). You should begin keeping fuel records in March 2013.	Notification to combust solid waste (§63.11225(f)). Submit 30 days prior to combusting solid waste. Notification of fuel or subcategory switching (§63.11225(g)). Submit 30 days prior to switching fuels.
		OR		Records of all submitted notifications (§63.11225(c)(1))	
		Conduct fuel analysis (63.11213, Table 5 and 63.11211(c)) by 3/21/2014.	If Hg limit compliance demonstrated based on fuel analysis, conduct fuel analysis for each fuel type burned monthly (§63.11213 and §63.11220(e))	Energy Assessment Report (§63.11214(c)) should be completed by 3/21/2014.	
		Establish operating limits (§63.11222, Table 6 and 63.11211(b)) by 3/21/2014.	Operate monitoring systems and collect data at all required intervals (§63.11221 and Table 7) including fuel mercury content and relevant control device monitoring systems.	For sources demonstrating compliance with fuel analysis, records of all calculation and supporting documentation to demonstrate compliance with emission limits (§63.11225(c)(3))	
		Conduct CMS performance evaluations (§63.11224) ⁴ by 3/21/2014.		Records of type and amount of all fuels burned in each boiler during reporting period (§63.11222(a))	
	CO	Conduct performance (stack) test (§63.11212 and Table 4) by 3/21/2014.	Triennial stack test (§63.11212)	Records of the each boiler or control device malfunction occurrence and duration and actions taken to minimize emissions during malfunctions (§63.11225(c)(4)-(5))	Notification of affirmative defense within two business days of malfunction (§63.11226(b))
		Establish operating limits (§63.11222, Table 6 and §63.11211(b)) by 3/21/2014.		Records of monitoring data and maintenance (§63.11225(c)(6))	
		Install oxygen monitor (§63.11224(a)) by 3/21/2014.		Site-specific test plan shall be prepared before each stack test (§63.11212(a), §63.7(c)) ⁶	
		Establish operating limits (§63.11222 and 63.11211(b)) by 3/21/2014.	Operate monitoring systems and collect data at all required intervals (§63.11221 and Table 7).	Annual compliance certification report (§63.11225(b)) ^{5,6} Prepare first report by 3/1/2015. Thereafter, by March 1 of each calendar year.	Submit results of mercury test data to EPA's Central Data Exchange using the ERT < http://www.epa.gov/ttnchie1/ert/ert_tool.html > (§63.11225(e)) within 60 days of completing each performance test.
		Conduct CMS performance evaluations (§63.11224) by 3/21/2014.		Site-specific monitoring plan shall be prepared 60 days before CMS performance evaluation for each CMS (§63.11205(c)(1) through (3)) ⁶	

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Row	Subcategory	Submit Initial Notification of Applicability ¹	Submit Initial Notification of Compliance Status ²	Minimize Startup/Shutdown per Mfg. Procedures	Conduct Performance Tune-up ^{2,3}	Conduct Energy Assessment
New - Small (< 10MMBtu/hr)						
6	All fuel types other than gas (biomass, coal, oil)	Yes, submit by 9/17/2011 or within 120 days after startup, whichever is later. §63.11225(a)(2)	Yes, submit by 9/17/2011 or within 120 days of startup, whichever is later. §63.11225(a)(4)	No	Yes, Biennial. First tune-up completed by 5/20/2011 or upon start-up of the boiler, whichever is later. Subsequent tune-ups should be completed no later than 25 months after the previous tune-up. §63.11223(b)	No

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Row	Task 3 Meet Emission Limits			Task 4	Task 5
	For this pollutant	Initial Compliance	Continuous Compliance	Record	Submit Other Notifications and Reports
New - Small (< 10MMBtu/hr)					
6	None			Biennial compliance certification report (§63.11225(b)). Prepare by 3/1/2012 or on March 1 of the year immediately following start-up of the boiler.	Notification to combust solid waste (§63.11225(f)). Submit 30 days prior to combusting solid waste.
				Records of dates and procedures for each boiler tune up (§63.11225(c)(2)(i) and §63.11223(b)(6))	
				Records of fuel use and non-waste determinations (§63.11225(c)(2)(ii)). You should begin keeping fuel records upon start-up of the boiler.	Notification of fuel or subcategory switching (§63.11225(g)). Submit 30 days prior to switching fuels.
				Records of all submitted notifications (§63.11225(c)(1))	

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Row	Subcategory	Submit Initial Notification of Applicability ¹	Submit Initial Notification of Compliance Status ²	Minimize Startup/Shutdown per Mfg. Procedures	Conduct Performance Tune-up ^{2,3}	Conduct Energy Assessment
New - Large (≥ 10MMBtu/hr)						
7	Coal	Yes, submit by 9/17/2011 or within 120 days after startup, whichever is later. §63.11225(a)(2)	Yes, submit by 9/17/2011, or within 120 days of startup, whichever is later. The notification must be submitted within 60 days of completing the performance test. (§63.11225(a)(4)). Include a statement on Startup and Shutdown according to manufacturer specifications (§63.11223(c))	Yes, beginning 5/20/2011 or upon start-up of the boiler. §63.11223(c) §63.11214(d)	No	No

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	For this pollutant	Initial Compliance	Continuous Compliance	Record	Submit Other Notifications and Reports
New - Large ($\geq 10\text{MMBtu/hr}$)					
7	Hg	Conduct performance (stack) test (§63.11212, Table 4, and 63.7(c), (d), (f)) by 5/20/2011 or upon startup.	Triennial stack test (§63.11220(a) and §63.11212), no more than 37 months after previous test.	Records of fuel use and non-waste determinations (§63.11225(c)(2)(ii)). You should begin keeping fuel records upon start-up of the boiler.	Notification to combust solid waste (§63.11225(f)). Submit 30 days prior to combusting solid waste.
		OR		Records of all submitted notifications (§63.11225(c)(1))	Notification of fuel or subcategory switching (§63.11225(g)). Submit 30 days prior to switching fuels.
		Conduct fuel analysis (§63.11213, Table 5 and §63.11211(c)) by 5/20/2011 or upon startup.	If Hg limit compliance demonstrated based on fuel analysis, conduct fuel analysis for each fuel type burned monthly (§63.11213 and §63.11211(c)).	For sources demonstrating compliance with fuel analysis, records of all calculation and supporting documentation to demonstrate compliance with emission limits (§63.11225(c)(3))	Deviations from emission limits and corrective actions taken during reporting period (§63.11225(b)(3)). ⁵ Submit by March 15 of each calendar year where deviations occurred.
		Establish operating limits (§63.11222, Table 6 and §63.11211(b)) by 5/20/2011 or upon startup.	Operate monitoring systems and collect data at all required intervals (§63.11221 and Table 7) including fuel mercury content and relevant control device monitoring systems.	Records of type and amount of all fuels burned in each boiler during reporting period (§63.11222(a))	
		Conduct CMS performance evaluations (§63.11224) ⁴ by 5/20/2011 or upon startup.			
	CO	Conduct performance (stack) test (§63.11212 and Table 4) by 5/20/2011 or upon startup.	Triennial stack test (§63.11212), no more than 37 months after previous test.	Records of the each boiler or control device malfunction occurrence and duration and actions taken to minimize emissions during malfunctions (§63.11225(c)(4)-(5))	Notification of affirmative defense within two business days of malfunction (§63.11226(b))
		Establish operating limits (§63.11222, Table 6 and §63.11211(b)) by 5/20/2011 or upon startup.		Records of monitoring data and maintenance (§63.11225(c)(6))	Root cause analysis report of the malfunction within 45 days of the exceedance of the standard (§63.11226(b))
		Install oxygen monitor (§63.11224(a)) by 5/20/2011 or upon startup.		Annual compliance certification report (§63.11225(b)) ^{5,6} . Prepare first report by 3/1/2012 (or on March 1 of the calendar year immediately following start-up of the boiler). Subsequent reports prepared by March 1 of the next calendar year.	Submit results of mercury, CO and PM test data to EPA's Central Data Exchange using the ERT < http://www.epa.gov/ttnchie1/ert/ert_tool.html > (§63.11225(e)) within 60 days of completing each performance test.
		Establish operating limits (§63.11222 and 63.11211(b)) by 5/20/2011 or upon startup.	Operate monitoring systems and collect data at all required intervals (§63.11221 and Table 7).	Site-specific monitoring plan shall be prepared 60 days before CMS performance evaluation for each CMS (§63.11205(c)(1) through (3)) ⁶	
		Conduct CMS performance evaluations (§63.11224) by 5/20/2011 or upon startup.			
	PM	Conduct performance (stack) test (§63.11212 and Table 4) by 5/20/2011 or upon startup.	Triennial stack test (§63.11212), no more than 37 months after previous test.	Site-specific test plan shall be prepared before each	
		Establish operating limits (§63.11222 and 63.11211(b)) by 5/20/2011 or upon startup.			

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		Initial Compliance	Continuous Compliance	Record	Submit Other Notifications and Reports
		Conduct CMS performance evaluations (§63.11224) by 5/20/2011 or upon startup.	Monitor parameters and collect data (§63.11221)	stack test (§63.11212(a), §63.7(c)) ⁶	

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New - Large (≥ 10MMBtu/hr)						
8	Biomass	Yes, submit by 9/17/2011 or within 120 days after startup, whichever is later. §63.11225(a)(2)	The notification for compliance with the PM emission limits must be submitted within 60 days of completing the performance test and you can resubmit a notification for the tune-up (§63.11225(a)(4)). If this notification does not include the tune-up, you can re-submit a notification for the tune-up by 9/17/2011, or within 120 days of startup, whichever is later. Include a statement on Startup and Shutdown according to manufacturer specifications (§63.11223(c))	Yes, beginning 5/20/2011 or upon start-up of the boiler. §63.11223(c) §63.11214(d)	Yes, Biennial. First tune-up completed by 5/20/2011 or upon start-up of the boiler, whichever is later. Subsequent tune-ups should be completed no later than 25 months after the previous tune-up. §63.11223(b)	No

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New - Large (≥ 10MMBtu/hr)					
8	PM	Conduct performance (stack) test (§63.11212 and Table 4) by 5/20/2011 or upon startup.	Triennial stack test (§63.11212) no more than 37 months after previous test.	Annual compliance certification report (§63.11225(b)) ^{5,6} Prepare first report by 3/1/2012 (or on March 1 of the calendar year immediately following start-up of the boiler). Subsequent reports prepared by March 1 of the next calendar year.	Notification to combust solid waste (§63.11225(f)). Submit 30 days prior to combusting solid waste.
		Establish operating limits (§63.11222 and 63.11211(b)) by 5/20/2011 or upon startup.		Records of dates and procedures for each boiler tune up (§63.11225(c)(2)(i) and §63.11223(b)(6))	Notification of fuel or subcategory switching (§63.11225(g)). Submit 30 days prior to switching fuels.
		Conduct CMS performance evaluations (§63.11224) by 5/20/2011 or upon startup.	Monitor parameters and collect data §63.11221	Records of fuel use and non-waste determinations (§63.11225(c)(2)(ii)). You should begin keeping fuel records upon start-up of the boiler. Records of all submitted notifications (§63.11225(c)(1)) Records of the each boiler or control device malfunction occurrence and duration and actions taken to minimize emissions during malfunctions (§63.11225(c)(4)-(5)) Records of monitoring data and maintenance (§63.11225(c)(6)) Site-specific monitoring plan shall be prepared 60 days before CMS performance evaluation for each CMS (§63.11205(c)(1) through (3)) ⁶ Site-specific test plan shall be prepared before each stack test (§63.11212(a), §63.7(c)) ⁶	Deviations from emission limits and corrective actions taken during reporting period (§63.11225(b)(3)). ⁵ Notification of affirmative defense within two business days of malfunction (§63.11226(b)) Root cause analysis report of the malfunction within 45 days of the exceedance of the standard (§63.11226(b)) Submit results of PM test data to EPA's Central Data Exchange using the ERT < http://www.epa.gov/ttnchie1/ert/ert_tool.html > (§63.11225(e)) within 60 days of completing each performance test.

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New - Large (≥ 10MMBtu/hr)						
9	Oil	Yes, submit by 9/17/2011 or within 120 days after startup, whichever is later. §63.11225(a)(2)	The notification for compliance with the PM emission limits must be submitted within 60 days of completing the performance test and you can resubmit a notification for the tune-up (§63.11225(a)(4)). If this notification does not include the tune-up, you can re-submit a notification for the tune-up by 9/17/2011, or within 120 days of startup, whichever is later. Include a statement on Startup and Shutdown according to manufacturer specifications (§63.11223(c))	Yes, beginning 5/20/2011 or upon start-up of the boiler. §63.11223(c) §63.11214(d)	Yes, Biennial. First tune-up completed by 5/20/2011 or upon start-up of the boiler, whichever is later. Subsequent tune-ups should be completed no later than 25 months after the previous tune-up. §63.11223(b)	No

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New - Large (≥ 10MMBtu/hr)					
9	PM	Conduct performance (stack) test (§63.11212 and Table 4) by 5/20/2011 or upon startup.	Triennial stack test (§63.11212) no more than 37 months after previous test.	Annual compliance certification report (§63.11225(b)) ^{5,6} Prepare first report by 3/1/2012 (or on March 1 of the calendar year immediately following start-up of the boiler). Subsequent reports prepared by March 1 of the next calendar year.	Notification to combust solid waste (§63.11225(f)). Submit 30 days prior to combusting solid waste.
		Establish operating limits (§63.11222 and 63.11211(b)) by 5/20/2011 or upon startup.		Records of dates and procedures for each boiler tune up (§63.11225(c)(2)(i) and §63.11223(b)(6))	Notification of fuel or subcategory switching (§63.11225(g)). Submit 30 days prior to switching fuels.
		Conduct CMS performance evaluations (§63.11224) by 5/20/2011 or upon startup.	Monitor parameters and collect data §63.11221	Records of fuel use and non-waste determinations (§63.11225(c)(2)(ii)). You should begin keeping fuel records upon start-up of the boiler. Records of all submitted notifications (§63.11225(c)(1)) Records of the each boiler or control device malfunction occurrence and duration and actions taken to minimize emissions during malfunctions (§63.11225(c)(4)-(5)) Records of monitoring data and maintenance (§63.11225(c)(6)) Site-specific monitoring plan shall be prepared 60 days before CMS performance evaluation for each CMS (§63.11205(c)(1) through (3)) ⁶ Site-specific test plan shall be prepared before each stack test (§63.11212(a), §63.7(c)) ⁶	Deviations from emission limits and corrective actions taken during reporting period (§63.11225(b)(3)). ⁵ Notification of affirmative defense within two business days of malfunction (§63.11226(b)) Root cause analysis report of the malfunction within 45 days of the exceedance of the standard (§63.11226(b)) Submit results of PM test data to EPA's Central Data Exchange using the ERT < http://www.epa.gov/ttnchie1/ert/ert_tool.html > (§63.11225(e)) within 60 days of completing each performance test.

1 Initial Notification of Applicability. National Emissions Standards for Hazardous Air Pollutants: Industrial, Commercial, and Institutional Boilers Area Sources (40 CFR Part 63 Subpart JJJJJ). March 31, 2011. Available online at: <<http://www.epa.gov/airtoxics/boiler/boilerpg.html>>

2 Initial Notification of Compliance Status for Boilers Subject to Tune-ups - Area Sources. National Emissions Standards for Hazardous Air Pollutants: Industrial, Commercial, and Institutional Boilers Area Sources (40 CFR Part 63 Subpart JJJJJ). April 21, 2011. Available online at: <<http://www.epa.gov/airtoxics/boiler/boilerpg.html>>

3 Tune-up Guidance and Example Recordkeeping Form-Area Sources. National Emissions Standards for Hazardous Air Pollutants: Industrial, Commercial, and Institutional Boilers Area Sources (40 CFR Part 63 Subpart JJJJJ). April 21, 2011. Available online at: <<http://www.epa.gov/airtoxics/boiler/boilerpg.html>>

4 Only for source that petitions for an alternative monitoring parameters under §63.8. Mercury CEMS is not required under this rule.

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		Submit Initial Notification of Applicability ¹	Submit Initial Notification of Compliance Status ²	Minimize Startup/Shutdown per Mfg. Procedures	Conduct Performance Tune-up ^{2,3}	Conduct Energy Assessment

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		Initial Compliance	Continuous Compliance	Record	Submit Other Notifications and Reports

5 If deviations occur during the reporting period, you must submit the entire contents of the annual compliance certification report (§63.11225(b) by March 15 of the calendar year immediately following the reporting period.

6 These items must be prepared and kept on-site unless your delegated authority requests these items to be submitted.